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(i) a sample, and

(ii) a labeled reagent that binds to said plurality of target ligands,

whereby said sample and said labeled reagent flow through said capillary space for capture of each said target ligand at its corresponding capture zone; and

generating a plurality of detectable signals from label bound to each target ligand at its corresponding capture zone, whereby said signals are related to the presence or amount of said plurality of different target ligands in said sample.

95. (Amended) A method for determining the presence or amount of a plurality of target ligands in a sample, the method comprising:

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contacting the diagnostic element of claim 74 with

(i) a sample, and

(ii) a plurality of ligand analogue conjugates, each ligand analogue conjugate corresponding to one of said plurality of target ligands,

whereby said sample and said plurality of ligand analogue conjugates flow through said capillary space, whereby each target ligand competes with its corresponding ligand analogue conjugate for capture at its corresponding capture zone; and

generating a plurality of detectable signals from ligand analogue conjugate bound at its corresponding capture zone, whereby said signals are related to the presence or amount of said plurality of target ligands in said sample.